

**4715.1300 FLOOR DRAINS.**

Subpart 1. **Floor drain trap and strainer.** A floor drain shall be considered a plumbing fixture and shall be provided with a trap seal and a removable strainer. The open area of the strainer shall be at least equal to the cross-section area of the drain line to which it connects.

Subp. 2. **Basement floor drains.** Basement floor drains or floor drains installed in floors which are laid directly on the ground shall be provided with either an integral trap constructed with a spigot outlet or a "P" trap of cast iron or other approved materials compatible with the drainage pipe with a spigot outlet and provisions for a caulked connection to the drain body. A vacuum breaker shall be installed on the water supply to flush rim floor drains.

Subp. 3. **Provision for evaporation.** Where floor drains are subject to evaporation, they shall be of the deep seal type, with a minimum water seal of three inches and may be provided with a water supply through an air gap, from a plumbing fixture, automatic priming device, or other approved means, to maintain the minimum water seal.

Subp. 4. **Venting of floor drains.** Floor drain fixture branches that are less than 25 feet in length and connect to a vented main or branch do not require an individual vent. The following shall be vented in accordance with parts 4715.2520, subparts 5 and 6; 4715.2550, subpart 3; and 4715.2620, subpart 4: floor drains receiving liquid waste flows that could siphon the trap seal; trench drains and floor sinks used as a receptor; and floor drains used for shower drains, recessed slop, or similar receptors.

Subp. 5. [Repealed, 19 SR 590]

Subp. 6. **Garage and parking area floor drains.** Floor area drains in open parking areas, including open areas of parking ramps, must discharge to the storm sewer if available. Floor drains in parking areas which are enclosed, and floor drains in areas open or enclosed which are used for maintenance or as a vehicle wash bay, must discharge to the sanitary sewer if a municipal sewer is available. Oil and flammable liquid separators must be provided if required by part 4715.1120.

Exception: Floor drains in private garages classified as Group U, Division 1 occupancies serving one- and two-family dwellings may discharge to daylight if approved by the administrative authority.

**Statutory Authority:** *MS s 16B.59 to 16B.75; 326.37 to 326.45; 326B.101 to 326B.194; 326B.43 to 326B.49*

**History:** *15 SR 76; 19 SR 590; 23 SR 686; L 2007 c 140 art 4 s 61; art 6 s 15; art 13 s 4; L 2008 c 337 s 64; 33 SR 2042*

**Published Electronically:** *May 14, 2012*